INDEX OF SUBJECTS FOR VOLUME 22

Actinobacillus actinomycetemcomitans
cytotoxic capsular material, 245
Actinomyces viscosus
coagglutination with *Candida albicans*, 165
Adherence
M. leprae to Schwann cells *in vitro*, 277
oral bacteria and *Candida albicans*, 165
Aeromonas spp
antimicrobial susceptibility, 51
biochemical characteristics, 51, 303
isolation from faeces, 315
cytotoxin production, 303, 311
Aflatoxin B
cytotoxic action and drug resistance patterns, 115
Agglutination
coagglutination reactions between *C. albicans* and oral bacteria, 165
IHA test for echinococcosis, 237, 241
lectin-agglutination test for group-B streptococci, 101
Anaerobic
capsulate cocci, pathogenicity, 171
continuous flow culture, 157
see also Bacteroides
Antibiotics and other antimicrobial substances
gentamicin- resistant enterobacteria, 69
susceptibility of *Aeromonas* spp, 51
Antibiotic resistance
chloramphenicol, in staphylococci, 79
deletions of drug resistance determinants, 119
effects of aflatoxin B_1, 115
fimbriate *E. coli* resistance plasmids, 297
genetic location of Tn7 and methoprim resistance plasmids in *E. coli*, 125
gentamicin, and enterobacteria, 69
gentamicin, and *S. aureus*, 9
methicillin, and *S. aureus*, 9, 209
multi-resistance of *Salmonella* spp, 119
surface properties of *Salmonella* spp, 119
transfer of resistance plasmids in *S. aureus*, 107
Antibodies
against salmonellae, electronmicroscopy, 343
anti-*Candida*, 201
assay of anti-tetanus Ig-isotopes, 189
Campylobacter pyloridis, 57
human serum and *E. coli*, 143
immunisation of ileal loop with *V. cholerae*, 133
mucus-borne, 133
opsonisation of *S. epidermidis*, 1
see also Monoclonal antibodies
Antigens
C. albicans and lymphoproliferation, 201
determinant on leptospiral LPS, 269
isotype responses to tetanus-toxoids, 189
Antiserum
anti-amoebic, 17
identification of new serotypes of Group-B streptococci, 101

Bacteroides
B. asaccharolyticus, inhibition of phagocytosis, 225
B. asaccharolyticus opsonisation, 225
B. fragilis pathogenicity, 225
B. melaninogenicus pathogenicity, 171
B. ovatus antagonism for enteropathogens, 157
capsulate, pathogenicity, 171
Benzo(a)pyrene
mutagenic activation by faecal flora, 351
Biochemical characteristics
Aeromonas spp, 51, 303
Haemophilus ducreyi, 175
Blastospores, *C. albicans*, 203
Blood cultures
detection of polymicrobial septicaemia, 85
BOOKS RECEIVED
Atlas of diagnostic medical parasitology (J W Smith *et al.*), 187
Bacterial diarrheal diseases (edited by Y Takeda and T Miwatini), 90
Brucella melitensis (edited by J M Verger and M Plommet), 89
Clinical problems in sexually transmitted diseases (edited by D R Taylor-Robinson), 283
Essentials of medical mycology (E Glyn *et al.*), 283
Medical microbiology (edited by S Baron), 284
Membrane receptors and cellular regulation (edited by M P Czech and R C Khan), 91
Molecular cytology of Escherichia coli (edited by N Nanninga), 89
Mononuclear phagocytes. Characteristics, physiology and function (edited by Ralph Van Furth), 283
Practical laboratory mycology (E W Koneman and G D Roberts), 187
Topley and Wilson's principles of bacteriology, virology and immunity (General editors: Sir Graham Wilson, Sir Ashley Miles CBE and M T Parker), 91

Campylobacter
C. Jejuni, faecal isolates in population survey, 93
C. pyloridis (GCLO), antibodies to, 57
Candida albicans
antigenic activity, 201
blastospores, 203
coagglutination with oral bacteria, 165
effect of carbon dioxide on growth and form, 203
proliferation of lymphocytes (PBMC), 201
CAPD (continuous ambulatory peritoneal dialysis), 1
Capsules
A. actinomycetemcomitans, cytotoxic effects, 245
Bacteroides spp and phagocytosis, 225
E. coli, resistance to serum killing, 143
pathogenicity of anaerobic bacteria, 171
Cell culture
adherence of *M. leprae* to Schwann cells, 277
assay of clostridial toxins from faeces, 29
cytotoxicity of *Aeromonas* spp, 51, 303
effect of interferon and measles-virus on bacterial invasiveness, 335
Chancroid, laboratory diagnosis of *H. ducreyi*, 175
Chicken embryo model
pathogenicity of *N. gonorrhoeae*, 63
Chick red blood cells
in IHA test for echinococcosis, 237, 241
Chloramphenicol
acetyltransferase and staphylococcal plasmids, 79
resistance, staphylococcal, 79
Ciliary activity, effects of *H. influenzae*, 265
Clostridia
C. difficile, detection of toxin in faeces, 29

C. difficile sporogenesis and toxin A production, 33
C. perfringens, antagonism by enterobacteria, 157
C. perfringens, detection of toxins in faeces, 29
Coagglutination reactions between *C. albicans* and oral bacteria, 165
Complement
bacterial effect and *E. coli*, 143
opsonisation of *S. epidermidis*, 1
role of *Bacteroides* spp, 225
Conjugation
phage- mediated, 107
transfer of *S. aureus* resistance plasmids, 107
Continuous flow cultures
antagonism of enterobacteria for enteropathogens, 157
Cysteine, in liquid *L. pneumophila* media, 97
Cytotoxicity
A. actinomycetemcomitans in periodontal disease, 245
Aeromonas spp, in tissue culture, 51
aflatoxin B_1 and antibiotic resistance, 115
assay of clostridial toxins in faeces, 29
macrophage- mediated, against *Entamoeba histolytica*, 17
Cytotoxins
Aeromonas spp, pathogenicity, 311
clostridial, detection in faeces, 29
species-related in *Aeromonas* spp, 303

Dental plaque
cytotoxic role of *A. actinomycetemcomitans*, 245
intermicrobial binding and colonisation, 165
Diarrhoea
antagonism of enterobacteria for enteropathogens, 157
cell culture assay of clostridial toxins, 29
role of *Aeromonas* spp, 51, 303, 311, 315
Salmonella-induced fluid secretion, 39
survey of faecal isolates in healthy population, 93
DNA
detection, leptospiral, 23
hybridisation, 23, 79, 119
Dot hybridisation
detection of leptospiral DNA, 23

Echinococcosis, diagnostic IHA tests, 237, 241
Electronmicroscopy
adherence of *M. leprae* to Schwann cells, 277
mucosal colonisation by *V. cholerae*, 133
mucosal damage by *S. typhimurium*, 39
opsonic effect of antiserum against salmonellae, 343
pathogenicity of *N. gonorrhoeae* in chicken embryo models, 63
scanning, 39, 133, 277
transmission, 39
ELISA
C. albicans antigenic activity, 201
streptococcal Ig Fc- receptor, 251
Endotoxins
H. influenzae, 265
N. gonorrhoeae, 63
Entamoeba histolytica
macrophage-mediated cytotoxicity, 17
Enterobacteria
antagonism for enteropathogens, 157
gentamicin resistance, 69
ß-glucuronidase activity, 351
mutagenicity of benzo(a)pyrene, 351
Enterococcus faecalis
antagonism for enteropathogens, 157

Enteropathogens
antagonism by enterobacteria, 157
survey in healthy population, 93
Enterotoxins
cell culture assay, 29
cytotoxicity of *Aeromonas* spp, 51, 303, 311
detection of clostridial toxins, 29
in faeces, 29
Enzyme-linked immunoassays
anti-tetanus Ig- isotypes, 189
see also ELISA
Escherichia coli
acid sensitivity, virulence plasmid- associated, 231
antagonism for enteropathogens, 157
bactericidal, bacteriolytic and opsonic activity of human serum, 143
cysteine requiring isolates and septocaemia, 379
deletions of drug-resistance determinants by *S. typhimurium*, 119
distribution and genetic location of Tn7 in trimethoprim-resistant strains, 125
drug resistance patterns and susceptibility to aflatoxin B_1, 115
faecal isolates in population survey, 93
fimbrial genes and resistance plasmids, 297
fimbriate strains and oral colonisation, 165
phagocytosis, 143, 231
plasmid- borne resistance, 119, 143, 231
urinary infections, 231, 297

Faecal flora
Aeromonas spp, isolation and cytotoxicity, 303, 311
antagonism of enterobacteria for enteropathogens, 157
cell culture assay of clostridial toxins, 29
gentamicin resistance, 69
ß-glucuronidase activity, 351
mutagenicity of benzo(a)pyrene, 351
population survey of bacterial intestinal pathogens, 93
Fimbriate *E. coli* strains, 165, 297
Fluid secretion, *S. typhimurium*- induced, 39
Fusobacteria
F. nucleatum coagglutination with *C. albicans 165*
F. varium antagonism for enteropathogens, 157

Gastric campylobacter-like organism (GCLO) antibodies, 57
Gastric ulcer, antibody to gastric campylobacter, 57
Gastritis, antibody to gastric campylobacter, 57
Gastroenteritis, cytotoxicity of *Aeromonas* spp, 311
Gastroscopy patients, antibody to gastric campylobacter, 57
Gentamicin resistance
enterobacteria, 69
S. aureus, 9

Haemophilus
H. ducreyi biochemical properties, 175
H. ducreyi colony morphology, 175
H. ducreyi isolation and identification, 175
H. influenzae endotoxin, 265
H. influenzae lipo-oligosaccharide (LOS), 265
Hybridisation of DNA
deletions of drug resistance determinants, 119
detection of leptospiral DNA, 23
staphylococcal chloramphenicol resistance, 79
Hydatid disease, serological tests, 237, 241

Ileal loops
antibacterial immunity to *V. cholerae* in rats, 133
mucosal damage and *S. typhimurium*, 39
Immunisation
guinea pigs against leptospirosis, 269
isotype responses to tetanus-toxoids, 189
rat ileal loops with *V. cholerae*, 133
Immunofluorescence microscopy
M. leprae adherent to Schwann cells, 277
mucosal damage by *S. typhimurium*, 39
Immunoglobulins
anti-tetanus Ig- isotypes in mice, 189
IgA, protection against leptospirosis, 269
IgG, cytotoxicity- inducing capacity, 17
IgG and group-A streptococcal virulence, 251
IgG levels in peritoneal dialysis, 1
Indirect haemagglutination test (IHA) for echinococcosis, 237, 241
Interferon
effect on bacterial invasiveness of cell cultures, 000
Isotype responses to tetanus- toxoids, 189

Keratitis
pathogenicity of *Serratia marcescens*, 151

ß-Lactamase production by *P. aeruginosa*, 217
Lectin- agglutination test for group- B streptococci, 101
Legionella pneumophila
factors affecting growth in liquid media, 97
Leptospira interrogans
antigen determinant on lipopolysaccharide, 269
DNA detection, 23
immunisation of guinea pigs, 269
serovar *copenhageni* monoclonal antibody, 269
Lipopolysaccharide (LPS)
A. actinomycetemcomitans, cytotoxic effects, 245
antibiotic resistance in *P. aeruginosa*, 217
B. fragilis and phagocytosis, 225
E. coli, and virulence plasmids, 231
leptospiral, and monoclonal antibodies, 269
Lipo-oligosaccharide
pathogenicity studies in *H. influenzae, 265*
Listeria monocytogenes
epidemiology: Britain 1967-1984, 357, 367
phage- typing, 357, 367
serotyping, 367
Lymphoproliferation, *C. albicans*- induced, 201
Lysogenicity *E. coli*, 209

Macrophages
cytotoxicity against *Entamoeba histolytica*, 17
phagocytosis of leptospires, 269
Mannose- resistant haemagglutinating fimbriae of *E. coli*, 297
Measles- virus infection
bacterial invasiveness of cell culture, 335
Media
continuous flow culture of enteropathogens, 157
for improved isolation of *S. mutans*, 319
isolation of *aeromonas* spp from faeces, 315
multi- point inoculation of test media in identification of staphylococci, 179
requirements of *Legionella pneumophila*, 97
Methicillin resistance of *S. aureus*, 9, 209
Monoclonal antibody
against *Leptospira interrogans*, 269
streptococcal Ig Fc- receptor, 251
Mucinase activity of *V. cholerae*, 325
Mucosal
colonisation by oral bacteria and *C. albicans*, 165
colonisation by *E. coli*, 297
colonisation by *V. cholerae*, 133
damage, *H. influenzae* in rat trachea, 265
damage, *S. typhimurium*- induced fluid secretion, 39
Multipoint inoculation of test media for staphylococci, 179
Mycobacterium leprae
adherence to Schwann cells *in vitro*, 277

Neisseria gonorrhoeae
endotoxin, 63
pathogenicity, 63
Nucleic acid-binding compounds
resistant plasmids in strains of *S. aureus*, 9

Opsonisation
Bacteroides spp, 225
E. coli by human serum, 143
group A- streptococci, 251
leptospires, 269
S. epidermidis, 1
Oral bacteria
coagglutination with *C. albicans*, 165
Organ culture
rat trachea, pathogenicity of *H. influenzae*, 265
Orofacial abscesses
isolation of capsulate anaerobic bacteria, 171

Periodontal disease
cytotoxic effects of *A. actinomycetemcomitans*, 245
intermicrobial binding and colonisation by *C. albicans* and oral bacteria, 165
Peripheral blood mononuclear cells (PBMC)
Candida- induced proliferation, 201
Peritoneal dialysis
S. epidermidis infection, 1
Peritonitis
S. epidermidis, 1
Phage- mediated transfer of plasmids, 107
Phage-typing
Listeria monocytogenes, 357, 367
Pseudomonas aeruginosa, 217
Staphylococcus aureus, 209
Phagocytosis
E. coli by polymorphonuclear leukocytes, 143
E. coli with virulence plasmids, 231
Group-A streptococci, 251
inhibition by *Bacteroides* spp, 225
leptospires by macrophages, 269
opsonised *S. typhimurium*, electronmicroscopy, 343
Plasmids
chloramphenicol resistance, 79
E. coli resistance, fimbrial antigens, 297
gentamicin resistance, 69
phage- mediated conjugation and conjugation, 107
resistance to nucleic acid-binding compounds, 9
spontaneous deletions of drug- resistance determinants from *S. typhimurium* in *E. coli*, 119
staphylococcal, 79, 107
trimethoprim- resistance in *E. coli*, 125
virulence- enhancing, and acid- sensitivity of *E. coli*, 231
Polymorphonuclear leukocytes
effect of *Bacteroides* spp, 225
phagocytosis of *E. coli*, 143

Polysaccharide
capsular, *Bacteroides* spp and phagocytosis, 225
in Group-B streptococci antigens, 101
Proteinase production by group-A streptococci, 257
Proteus mirabilis
opsonisation and *Bacteroides* spp, 225
Pseudomonas aeruginosa
antibiotic resistance, 217
ß-lactamase production, 217

Restriction enzyme analysis
restriction endonuclease analysis, 79, 125
staphylococcal resistance plasmids, 9, 79
trimethoprim resistance in *E. coli*, 125

Salmonellae
S. typhi, S. typhimurium, antibiotic resistance, 119
S. typhimurium antagonism by intestinal flora, 157
S. typhimurium deletions of drug- resistance determinants in *E. coli*, 119
S. typhimurium electronmicroscopy in opsonic role of antiserum, 343
S. typhimurium fluid secretion and role in mucosal damage, 39
S. typhimurium plasmid- borne resistance, 119
Salmonellosis and plasmid- borne multi-resistance, 119
Septicaemia
Escherichia coli, 379
polymicrobial, 85
Serratia marcescens, 151
Serratia marcescens
pathogenicity, 151
virulence determinants, 151
Serology
IHA in diagnosis of echinococcosis, 237, 241
monoclonal antibodies against *L. interrogans*, 269
Serotyping
group-B streptococci, 101
Listeria monocytogenes, 367
Serum
bactericidal, bacteriolytic and opsonic activity against *E. coli*, 143
cytotoxicity-inducing capacity, 17
see also Opsonisation
Shigella flexneri
antagonism by intestinal flora, 157
invasiveness in cell culture with measles-virus infection and interferon, 335
Sialic acid
in analysis of group-B streptococci serotypes, 101
Spores
blastospore production by *Candida albicans*, 203
C. difficile and toxin A, 33
Sporogenesis in *C. difficile*, 33
Staphylococci
coagulase- negative, 179, 285
identification and biotyping, 285
identification by multipoint inoculation of test media, 179
S. aureus antagonism by intestinal flora, 157
S. aureus chloramphenicol resistance, 79
S. aureus drug resistance and aflatoxin B_1, 115
S. aureus lysogenicity and phage- typing, 209
S. aureus methicillin resistant strains, 9, 209
S. aureus, plasmids, 9, 79, 107
S. epidermidis, chloraphenicol resistance, 79
S. epidermidis, opsonisation, 1
S. epidermidis, plasmids, 79
Streptococci
group-A typing scheme, 257
group-A virulence and FcR, 251
identification of new group-B serotypes, 101
improved isolation medium, 319
oral, coagglutination with *C. albicans*, 165
proteinase- related inhibitory activity, 257

Tetanus-toxoids, isotype responses in mice, 189
Tissue culture
cytotoxicity of *Aeromonas* spp, 51
see also Cell culture; Organ culture
Toxins
Aeromonas spp, 303, 311
C. difficile toxin A, 33
see also Cytotoxins; Endotoxins; Enterotoxins
Tracheal organ cultures
pathogenicity of *H. influenzae*, 265
Transposon, Tn7
genetic location in *E. coli*, 125
Trimethoprim resistance in *E. coli*, 125

Urinary infection and *E. coli*, 231, 297

Vibrios
V. cholerae, antagonism by intestinal flora, 157
V. cholerae, antibacterial immunity in rats, 133
V. cholerae enzymic activities of mucinase complex, 325
V. cholerae mucus- borne antibody, 133
V. parahaemolyticus antagonism by intestinal flora, 157
Viral enhancement of bacterial invasiveness, 335
Virulence factors
group- A streptococci and FcR, 251
plasmids in *E. coli*, 231
Serratia marcescens 151

Yersinia enterocolitica
antagonism by intestinal flora, 157

INDEX OF AUTHORS FOR VOLUME 22

ADLER B, *see* JOST *et al.*, 269
ALDRED M J, *see* WADE *et al*, 319
ALESSIO MARIA, *see* LUZZI *et al.*, 29
AMYES S G B, *see* HALES AND AMYES, 297
ANTIA N H, *see* ITTY *et al.*, 277
ASHDOWN N, *see* TOWNSEND *et al.*, 107
AUDURIER A, *see* MCLAUCHLIN *et al.*, 357, 367
AUSIELLO CLARA M, SPAGNOLI I G C, BOCCANERA MARIA, CASALINUOVO IDA, MALAVASI F, CASCIANI C U, CASSONE A. Proliferation of human blood mononuclear cells induced by *Candida albicans* and its cell wall fractions, 201

BAGG J, SILVERWOOD R W. Coagglutination reactions between *Candida albicans* and oral bacteria, 165
BARER M R, *see* MILLERSHIP *et al.*, 303
BARER M R, MILLERSHIP SALLY E, TABAQCHALI SOAD. Relationship of toxin production to species in the genus *Aeromonas*, 31
BARKER J, FARRELL I D, HUTCHISON J G P. Factors affecting growth of *Legionella pneumophila* in liquid media, 97
BEAMAN JANICE, *see* ROBINSON *et al.*, 315
BEARD-PEGLER MARY A, *see* VICKERY *et al.*, 209
BOCCANERA MARIA, *see* AUSIELLO *et al.*, 201
BOLTON S, *see* TOWNSEND *et al.*, 107
BROOK I. Isolation of capsulate anaerobic bacteria from orofacial abscesses, 171
BUKHOLM G, MODALSLI KRISTIN, DEGRE M. Effect of measles-virus infection and interferon treatment on invasiveness of *Shigella flexneri* in Hep2- cell cultures, 335
BURDON D W, *see* KETLEY *et al.*, 33
BURKE VALERIE, *see* ROBINSON *et al.*, 315

CANDY D C A, *see* KETLEY *et al.*, 33
CANDY D C A, *see* WALLIS *et al.*, 39
CAPANO G, *see* LUZZI *et al.*, 29
CAPRIOLI A, *see* LUZZI *et al.*, 29
CASALINUOVO IDA, *see* AUSIELLO *et al.*, 201
CASCIANI C U, *see* AUSIELLO *et al.*, 201
CASSONE A, *see* AUSIELLO *et al.*, 201
CHAKRAVORTY M, *see* ROY AND CHAKRAVORTY, 119
CHRISTENSEN P, *see* SVENSSON *et al.*, 251
CHUGH SHASHI, *see* SAXENA *et al.*, 17
CLARK LUCILLA A, EASMON C S F. Opsonic requirements of *Staphylococcus epidermidis*, 1
COOKE E MARY, *see* FISHER *et al.*, 69
COOPER G E, ROWBERRY R J. Virulence plasmid-associated sensitivity to acid in *Escherichia coli* and its possible significance in human infections, 231
COOPER G N, NARENDRANATHAN R. Antibacterial immunity to *Vibrio cholerae* in rats, 133
D'COSTA L J, *see* LUBWAMA *et al.*, 175

DEGRE M, *see* BUKHOLM *et al.*, 335

EASMON C S F, *see* CLARK AND EASMON, 1
ELDRIDGE J, *see* JONES *et al.*, 57
EMSLIE K R, TOWNSEND D E, GRUBB W B. Isolation and characterisation of small plasmids encoding resistance to nucleic acid-binding compounds in *Staphylococcus aureus*, 9

FAINE S, *see* JOST *et al.*, 269
FALBO V, *see* LUZZI *et al.*, 29
FARRELL I D, *see* BARKER *et al.*, 97
FARZAD Z, JAMES K. Isotype responses of mice to tetanus-toxoid preparations, 189
FISHER GABRIELLE M, KELSEY M C, COOKE E MARY. An investigation of the spread of gentamicin resistance in a district general hospital, 69
FOX A J, *see* JONES *et al.*, 57
FRANCZEK S P, WILLIAMS R P, HULL S I. A survey of potential virulence factors in clinical and environmental isolates of *Serratia marcescans*, 151

GEMMELL C G, *see* JONES AND GEMMELL, 225
GEMMELL C G. Coagulase-negative staphylococci, 285
GIANFRILLI PAOLA, *see* LUZZI *et al.*, 33
GOSLING P J. Biochemical characteristics, enterotoxigenicity and susceptibility to antimicrobial agents of clinical isolates of *Aeromonas* species encountered in the western region of Saudi Arabia, 51
GRUBB W B, *see* EMSLIE *et al.*, 9
GRUBB W B, *see* TOWNSEND *et al.*, 107
GUARINO A, *see* LUZZI *et al.*, 29
GUO YAN-NIE MUMAW V R, NAKONECZNAS IRENE. Electron-microscopy studies on the opsonic role of antiserum and the subsequent destruction of salmonellae within murine inflammatory leukocytes, 343

HADDON S J, *see* WALLIS *et al.*, 39
HAFIZ S. Role of endotoxin in the pathogenicity of *Neisseria gonorrhoeae* colonial types 1, 4 and 5 determined by chicken embryo models, 63
HALES BARBARA A, AMYES S G B. Acquisition of a gene encoding mannose-resistant haemagglutinating fimbriae by a resistance plasmid during long-term urinary infection, 297
HARVEY W, *see* KAMIN *et al.*, 245
HASLAM S C, *see* KETLEY *et al.*, 33
HSU H S, *see* GUO *et al.*, 343
HULL S I, *see* FRANCZEK *et al.*, 151
HUTCHISON J G P, *see* BARKER *et al.*, 97
HYNES W L, TAGG J R. Proteinase-related broad-spectrum inhibitory activity among group-A streptococci, 257

INZANA T J, *see* JOHNSON AND INZANA, 265
ITTY BECKY M, MUKHERJEE RAMA, ANTIA N H. Adherence of *Mycobacterium leprae* to Schwann cells *in vitro* and *in vivo*, 277

JAARSMA EMMY Y, *see* ROZENBERG-ARSKA *et al.*, 143
JAMES K, *see* FARZAD AND JAMES, 189
JELINKOVA JARMILA, *see* MOTLOVA *et al.*, 101
JOHNSON A P, INZANA T J. Loss of ciliary activity in organ cultures of rat trachea treated with lipo-oligosaccharide from *Haemophilus influenzae*, 265
JONES D M, ELDRIDGE J, FOX A J, SETHI P, WHORWELL P J. Antibody to the gastric campylobacter-like organism ("*Campylobacter pyloridis*")—clinical correlations and distribution in the normal population, 57
JONES G R, GEMMELL C G. Effects of *Bacteroides asaccharolyticus* cells and *B. fragilis* surface components on serum opsonisation and phagocytosis, 225
JOST B H, ADLER B, VINH T, FAINE S. A monoclonal antibody reacting with a determinant on leptospiral lipopolysaccharide protects guinea pigs against leptospirosis, 269

KAMIN S, HARVEY W, WILSON M, SCUTT A. Inhibition of fibroblast proliferation and collagen synthesis by capsular material from *Actinobacillus actinomycetemcomitans*, 245
KELSEY M C, *see* FISHER *et al.*, 69
KETLEY J M, MITCHELL T J, HASLAM S C, STEPHEN J, CANDY D C A, BURDOW D W. Sporogenesis and toxin A Production by *Clostridium difficile*, 33
KRAFT C A, TIMBURY M C, PLATT D J. Distribution and genetic location of Tn7 in trimethoprim-resistant *Escherichia coli*, 125
KUROSHIMA T, *see* NANNO *et al.*, 351

LIVERMORE D M, PITT T L. Dissociation of surface properties and "intrinsic" resistance to ß-lactams in *Pseudomonas aeruginosa*, 217
LUBWAMA S W, PLUMMER F A, NDINYA-ACHOLA J, NSANZE H, NAMAARA W, D'COSTA L J, RONALD A R. Isolation and identification of *Haemophilus ducreyi* in a clinical laboratory, 175
LUZZI I, CAPRIOLI A, FALBO V, GUARINO A, CAPANO G, ALESSIO MARIA, MALAMISURA B, GIANFRILLI PAOLA. Detection of clostridial toxins in stools from children with diarrhoea, 29

MCIVER C J, *see* TAPSALL AND MCIVER, 379
MCLAUCHLIN J, AUDURIER A, TAYLOR A G. Aspects of the epidemiology of human *Listeria monocytogenes* infections in Britain 1967-1984; the use of sero-typing and phage-typing, 367
MCLAUCHLIN J, AUDURIER A, TAYLOR A G. The evaluation of a phage-typing system for *Listeria monocytogenes* for use in epidemiological studies, 357
MALAMISURA B, *see* LUZZI *et al.*, 29
MALAVASI F, *see* AUSIELLO *et al.*, 201
MATHAN V I, RAJAN D P. The prevalence of bacterial intestinal pathogens in a healthy rural population in southern India, 93
MAY J W, *see* TENNENT *et al.*, 79
MILLERSHIP SALLY E, BARER M R, TABAQCHALI SOAD. Toxin production by *Aeromonas* spp from different sources, 311
MILLERSHIP SALLY E, *see* BARER *et al.*, 303
MISHRA S R, *see* PARIJA *et al.*, 237
MITCHELL T J, *see* KETLEY *et al.*, 33
MODALSI KRISTIN, *see* BUKHOLM *et al.*, 335
MOROTOMI M, *see* NANNO *et al.*, 351
MOTLOVA JITKA, WAGNER M, JELINKOVA JARMILA. A search for new group-B streptococcal serotypes, 101
MUKHERJEE RAMA, *see* ITTY *et al.*, 277
MUMAW V R, *see* GUO *et al.*, 343
MUTAI M, *see* NANNO *et al.*, 351

NAKONECZNA IRENE, *see* GUO *et al.*, 343
NAMAARA W, *see* LUBWAMA *et al.*, 175
NANNO M, MOROTOMI M, TAKAYAMA H, KUROSHIMA H, TANAKA R, MUTAI M. Mutagenic activation of biliary metabolytes of benzo(a)-pyrene by ß-glucuronidase-positive bacteria in human faeces, 351
NARENDRANATHAN R, *see* COOPER AND NARENDRANATHAN, 133
NDINYA-ACHOLA J, *see* LUBWAMA *et al.*, 175
NICOL CAROLINE D, *see* SPENCER AND NICOL. 85
NSANZE H, *see* LUBWAMA *et al.*, 175

OLLAR R A, *see* STEWART-TULL *et al.*, 325
OSBORNE M P, *see* WALLIS *et al.*, 39
OZAKI Y, *see* USHIJIMA AND OZAKI, 157

PARIJA S C, MISHRA S R, RAO R SAMBASIVA. Sensitised chick cells in the indirect haemagglutination test for echinococcosis, 237
PARIJA S C, RAO R SAMBASIVA. Enhancement of sensitivity of the haemagglutination test for echinococcosis by use of *Staphylococcus aureus* protein A, 241
PITT T L, *see* LIVERMORE AND PITT, 217
PLATT D J, *see* KRAFT *et al.*, 125
PLUMMER F A, *see* LUBWAMA *et al.*, 175
PORSIUS J C, *see* ROZENBERG-ARSKA *et al.*, 143

RAJAN D P, *see* MATHAN AND RAJAN, 93
RAO R SAMBASIVA, *see* PARIJA *et al.*, 237
RAO R SAMBASIVA, *see* PARIJA AND RAO, 241
REUTHER J W A. A simplified system for the identification of staphylococci by multipoint inoculation of test media, 179
ROBINSON JENNIFER, BEAMAN JANICE, WAGÉNER LINDA, BURKE VALERIE. Comparison of direct plating with the use of enrichment culture for isolation of *Aeromonas* spp from faeces, 315
RONALD A R, *see* LUBWAMA *et al.*, 175
ROWBURY R J, *see* COOPER AND ROWBURY, 231
ROY S, CHAKRAVORTY M. Spontaneous deletions of drug-resistance determinants from *Salmonella typhimurium* in *Escherichia coli*, 119
ROZENBERG-ARSKA MAJA, PORSIUS J C, JAARSMA EMMY Y, VERHOFF J. Bactericidal, bacteriolytic and opsonic activity of human serum against *Escherichia coli*, 143

SAXENA A, CHUGH SHASHI, VINAYAK V K. Antibody-dependent macrophage-mediated cytotoxicity against *Entamoeba histolytica*, 17
SCHALEN D, *see* SVENSSON *et al.*, 251
SCHOONE G J, *see* TERPSTRA *et al.*, 23
SCOBIE TAMARA S, *see* STEWART-TULL *et al.*, 325
SCUTT A, *see* KAMIN *et al.*, 245
SETHI P, *see* JONES *et al.*, 57
SILVERWOOD R W, *see* BAGG AND SILVERWOOD, 165
SIMS W. Effect of carbon dioxide on the growth and form of *Candida albicans*, 203
SINGH G, *see* TIWARI *et al.*, 115
SKURRAY R A, *see* TENNENT *et al.*, 79
SPAGNOLI G C, *see* AUSIELLO *et al.*, 201
SPENCER R C, NICOL CAROLINE D. Increased detection of polymicrobial septicaemia by repeat subculture, 85
STARKEY W G, *see* WALLIS *et al.*, 39
STEPHEN J, *see* KETLEY *et al.*, 33
STEPHEN J, *see* WALLIS *et al.*, 39
STEWART-TULL D E S, OLLAR R A, SCOBIE TAMARA S. Studies on the *Vibrio cholerae* mucinase complex. 1. Enzymic activities associated with the complex, 325
STUBBS ELIZABETH, *see* VICKERY *et al.*, 209
SVENSSON M, CHRISTENSEN P, SCHALEN D. Monoclonal opsonic mouse antibodies specific for streptococcal IgG Fc-receptor, 251

TABAQCHALI SOAD, *see* MILLERSHIP *et al.*, 311
TABAQCHALI SOAD, *see* BARER *et al.*, 303
TAGG J R, *see* HYNES AND TAGG, 257
TAHERI S, *see* TOWNSEND *et al.*, 107
TAKAYAMA H, *see* NANNO *et al.*, 351
TANAKA R, *see* NANNO *et al.*, 351
TAPSALL J W, MCIVER C J. Septicaemia caused by cysteine-requiring isolates of *Escherchia coli*, 379
TAYLOR A G, *see* MCLAUCHLIN *et al.*, 357, 367
TENNENT JAN M, MAY J W, SKURRAY R A. Characterisation of chloramphenicol resistance plasmids of *Staphylococcus aureus* and *S. epidermidis* by restriction enzyme mapping techniques, 79

TERPSTRA W J, SCHOONE G J, TER SCHEGGET J. Detection of leptospiral DNA by nucleic acid hybridisation with P- and biotin-labelled probes, 23
TER SCHEGGET J, *see* TERPSTRA *et al.*, 23
TIMBURY M C, *see* KRAFT *et al.*, 125
TIWARI R P, SINGH G, VADEHRA D V. Drug resistance patterns and susceptibility to aflatoxin B_1, of strains of *Escherichia coli* and *Staphylococcus aureus*, 115
TOWNSEND D E, *see* EMSLIE *et al.*, 9
TOWNSEND D E, BOLTON S, ASHDOWN N, TAHERI S, GRUBB W B. Comparison of phage-mediated and conjugative transfer of staphylococcal plasmids *in vitro* and *in vivo*, 107

USHIJIMA T, OZAKI Y. Potent antagonism of *Escherichia coli, Bacteroides ovatus, Fusobacterium varium*, and *Enterococcus faecalis*, alone or in combination, for enteropathogens in anaerobic continuous flow cultures, 157

VADEHRA D V, *see* TIWARI *et al.*, 115
VERHOEF J, *see* ROZENBERG-ARSKA *et al.*, 143
VICKERY ALISON M, BEARD-PEGLER MARY A, STUBBS ELIZABETH. Phage-typing patterns and lysogenicity of methicillin-resistant strains of *Staphylococcus aureus* from Sydney, Australia, 1965-85, 209
VINAYAK V K, *see* SAXENA *et al.*, 17
VINH T, *see* JOST *et al.*, 269

WADE W G, ALDRED M J, WALKER D M. An improved medium for isolation of *Streptococcus mutans*, 319
WAGENER LINDA, *see* ROBINSON *et al.*, 315
WAGNER M, *see* MOTLOVA *et al.*, 101
WALKER D M, *see* WADE *et al.*, 319
WALLIS T S, STARKEY W G, STEPHEN J, HADDON S J, OSBORNE M P, CANDY D C A. The nature and role of mucosal damage in relation to *Salmonella typhimurium*-induced fluid secretion in the rabbit ileum, 39
WHORWELL P J, *see* JONES *et al.*, 57
WILLIAMS R P, *see* FRANCZEK *et al.*, 151
WILSON M, *see* KAMIN *et al.*, 245